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**PATENT**  
Attorney Docket No. A-69071  
Attorney File No. 469190-5/RFT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* application of:

Richard F. Hammen, et al.

Examiner: Ernest G. Therkorn

Art Unit: 1723

Serial No.: 09/808,732

Filed: March 14, 2001

For Composite Matrices with Interstitial  
Functional Polymer Networks

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 on

August 2, 2004  
Signed: Wendy Wilson  
Wendy Wilson

**RESPONSE TO OFFICE ACTION**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed February 24, 2004, and the Patent Office Communication mailed July 21, 2004, Applicant hereby re-submits the following Amendments and Remarks, providing the proper status identifiers for each claim. A Petition for Extension of Time for one month and the required fee pursuant to 37 C.F.R. 17.(a)(1) was previously submitted with the Amendment originally filed on June 24, 2004. Applicant re-submits this Response within the one month time period from the mailing date of the July 21, 2004 communication and, therefore, no extension of time is required.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 4 of this paper.